

JAV-61



WARNING: Improper installation could result in damage to the amplifier. Read all instructions before installation.

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Introduction

The JAV-61 is a low noise, low distortion unity gain distribution amplifier for line level stereo audio and video baseband signals.

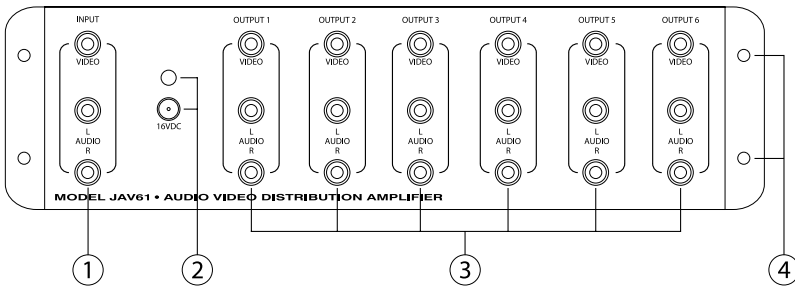
It splits audio and video signals six ways with no signal loss.

It prevents audio distortion in multiple zone systems by buffering the source units from the loading effects of several AV receivers or preamps.

The space saving "flat pack" design allows great flexibility in mounting and positioning.

JAV-61 panel description

1. INPUT jacks. Connect to the corresponding output jacks of the source component (DVD, VCR, CD player, Tuner, etc.).
2. 16V DC supply Jack and Power indicator LED. The 16 VDC 300 mA power supply (included) is plugged in here. The LED will light when power is applied.
3. OUTPUT jacks. Connect to the corresponding input jacks of AV receivers, preamps, TV monitors, VCRs, etc.
4. Mounting holes.



Typical applications

AUDIO/VIDEO DISTRIBUTION

Fig. 1 shows the distribution of video (baseband) and stereo audio signals to three TV monitors where two of them have connected a VCRs from a single DVD player via the JAV-61. Many other combinations of AV or audio only products could be configured in a similar manner.

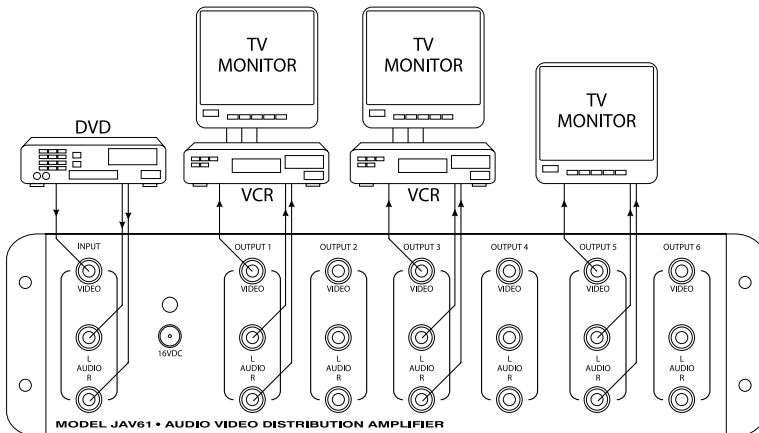


FIG. 1

Audio/Video distribution

ZONED SYSTEMS

One of the most useful applications of the JAV-61 is to drive several receivers or preamps from common sources in multiple zone A/V systems. Fig. 2 illustrates the use of four JAV-61's to drive four receivers from four sources in a typical four zone system.

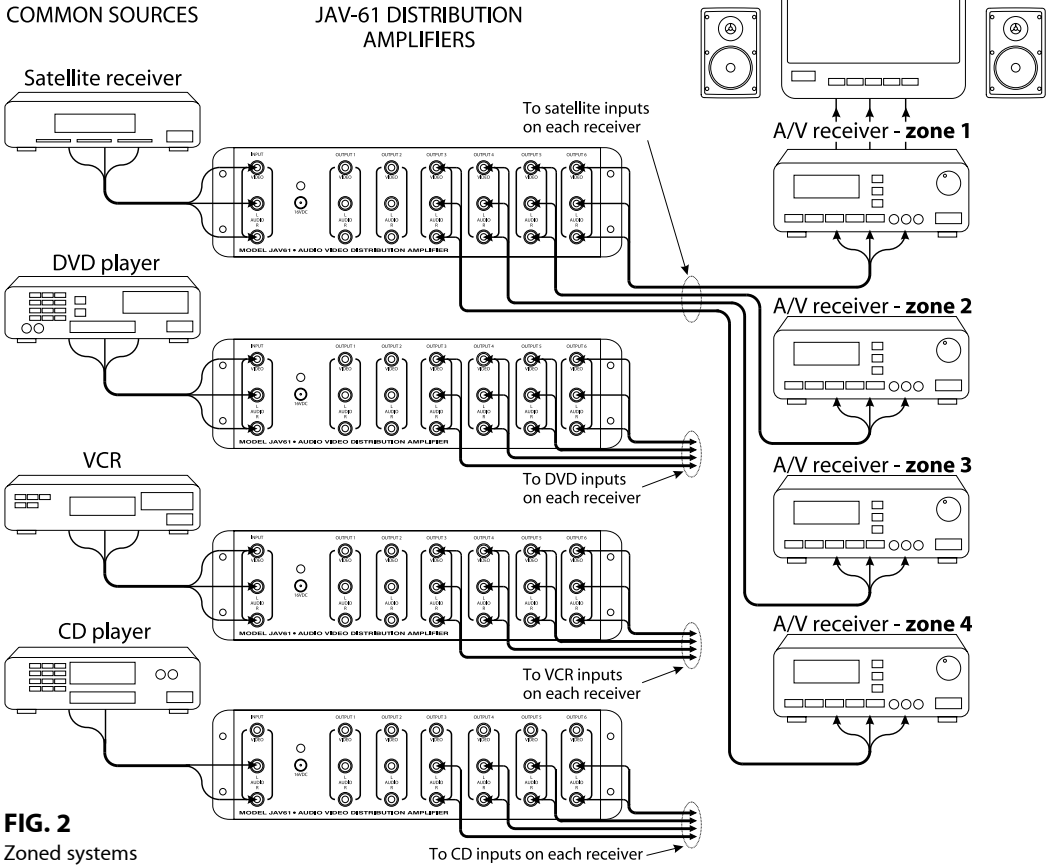


FIG. 2
Zoned systems

NOTE:

1. Use high quality low-loss cables for all A/V connections. For runs in excess of 10 feet, use low-loss coax. Runs in excess of 50 feet are not recommended.
2. JAV-61 Distribution Amplifiers, used in zoned systems, prevent loading mismatch on the source components and audio distortion on music peaks when some zones are turned off while one or more are still on. You need one JAV-61 for each source, as shown in Fig. 2.
3. Fig. 2 assumes the use of A/V Receivers having base-band video switching capabilities.

Specification:

AUDIO

Gain:	Unity
Input overload:	3.0 V RMS
Input impedance:	>20k Ohms (ea. input)
Output impedance:	<100 Ohms
THD:	0.06%@1.0V input level
Freq. Response:	10-45 kHz +/- 1 dB
Channel separation:	>75 dB @ 1 kHz
In-out isolation:	>60 dB
Out-out isolation:	>60 dB
Signal to noise:	100 dB (re 2V out)

VIDEO

Gain:	Unity
Input impedance:	75 Ohms
Output impedance:	<3 Ohms
Video insertion loss:	50 Hz - 10MHz < 1dB
In-out isolation:	50 Hz - 10 mHz > 25 dB
Out-out isolation:	50 Hz - 10 mHz > 55 dB
Return loss:	50 Hz - 10 mHz > 20 dB

GENERAL

A/V input/outputs:	RCA-type phone jacks
Power requirements:	16V DC @ 300 mA (Power supply included)
Power jack:	2.1 mm coaxial type
Dimensions (WxDxH):	10x2 ³ / ₄ x1 ¹ / ₄ in 251x68x32 mm

The scope of the warranty

The warranty period will come into force as from the purchase date stated on the invoice. The warranty will apply for the following period of time:

- 2 years for electronics (power supply, amplifier, etc.)
- 7 years for other parts (cabinet, speaker units, etc.)

In case of warranty inquiries, please contact your dealer.

In case of request for service under warranty, please enclose your original receipt.

Defects covered by the warranty:

Except for the defects stated below, the warranty covers any production and material defects of the product.

Defects not covered by the warranty:

- Defects arising from accidents, misuse, normal wear and tear, mis-maintenance, voltage variation, overloading, stroke of lightning, and other force majeure events
- Defects arising from incorrect installation or operation
- Defects arising from modification/repair/attempt of repair by a non-authorized service centre
- Defects arising from the use of non-original spare parts
- Defects on products with altered or lacking series number
- Other defects due to conditions or circumstances beyond the supplier's control

Transportation costs for servicing are not covered by the warranty.

The supplier is liable only to repair or replace defective parts or products. A replacement cannot exceed the value of the product under warranty.